

Material Safety Data Sheet Top Choice Organic® Fertilizer

Section 1. Chemical Product and Company Information

Product Identifier	Top Choice Organic®		
Product Use	Soil Amendment, Fertilizer, or Alternative Fuel.		
Manufacturer	Metropolitan Government of Nashville and Davidson County Department of Water and Sewerage Services 1600 Second Avenue North Nashville, TN 37208 Phone: 615-862-4885		
Distributor	Mannco Fertilizer 1010 Hogan Ln. Ste 5 Conway, AR 72034 Phone: 501-327-1771		
Emergency Phone Number	Chemtrec (800) 424-9300		
MSDS Prepared By	Roy Denney	Date Prepared	October 24, 2008
Revised By		Revision Date	
Revision Number	1.00		

Section 2. Composition/Information on Ingredients

Name	% of Weight	CAS #
Heat Dried Anaerobically Digested Sewage Solids	90% - 97%	
Water	Balance*	7732-18-5

*Trace metals can be detected in quantities less than 1.0%, most less than 0.1%.

Exposure Levels:

OSHA Nuisance Dust Limit of 15 mg/M3 (total) and 5 mg/M3 (respirable)

ACGIH Nuisance Dust Limit of 10 mg/M3 (total) and 3 mg/M3 (respirable)

Section 3. Hazard Identification

Primary Routes of Entry	Skin No Inhalation No Eye No Ingestion Yes
Signs and Symptoms of Exposure	Acute: None known Chronic: Darkened stool.

Section 4. First Aid Measures

Eye Contact	Flush with water. Remove contact lenses. Continue flushing with water for 15 minutes. Seek medical attention if irritation persists.
Skin Contact	After skin contact, or after use, wash skin with soap and water.
Inhalation	If difficulty breathing should occur, immediately remove to fresh air. If symptoms persist, seek medical attention.

Ingestion	If ingestion occurs seek medical attention. Treat symptomatically.
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Section 5. Firefighting Measures

Flash Point	Not Available	LEL	ND	UEL	ND
NFPA HIMS rating	Health: 1	Fire: 1	Reactivity: 0		
Fire Fighting Procedures	Firefighters should wear normal fire protection gear. Control runoff and protect drains, sewers, and bodies of water. Do not breathe fumes. Material is slippery when wet,				
Unusual Fire or Explosion Hazard	Bulk wetted material may generate heat increasing the risk of a fire during storage. Fugitive dust can create an explosive atmosphere. Control dust through adequate ventilation or an approved oil coating, not water. Heated material may give off undefined fumes. Do not breathe fumes.				

Section 6. Accidental Release Measures

In Case of Accidental Spills: Sweep, shovel, or use explosion resistant vacuum to clean up. Put in labeled container(s). Prevent material from getting into drains, sewer, or bodies of water. If possible reuse product. Ensure that disposal is in compliance with local, state and federal regulations.
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Section 7. Handling and Storage

Handling: Handle as a fertilizer. Do not breathe dust or fumes. Wash hands after handling.
Storage: Store in a cool, dry area inaccessible by children and animals. Prevent wetting material during storage. Bulk wetted material may generate heat. For more information on storage visit: http://www.epa.gov/owm/mtb/biosolids/fsguide/index.htm

Section 8. Exposure Control / Personal Protection

Eye Protection	Wear goggles or safety glasses when eye contact may occur. Avoid touching eyes or face after handling product.
Skin Protection	Skin protection and/or proper hygiene, including washing hands after contact, are recommended.
Respiratory Protection	In confined spaces ensure proper ventilation. In case of fire an organic vapor filter cartridge mask or a SCBA can be used to avoid breathing fumes. Use a cartridge mask with a filter for particulate matter if the dust level is above the threshold value.
Other	Wear appropriate safety equipment for hazards encountered. Product by itself presents no specific hazards.

Section 9. Physical and Chemical Properties

Description	Biosolids pellets
Appearance	Dark granules, 1mm to 4mm in diameter, free flowing
Odor	Earthy odor
Bulk Density	35 to 55 pounds per cubic foot
Solubility	Slight solubility in water
pH	Slightly acidic

Section 10. Stability and Reactivity

Chemical Stability	Stable
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Cadmium (Cd)	39
Chromium (Cr)*	1200
Copper (Cu)	1500
Lead (Pb)	300
Mercury (Hg)	17
Nickel (Ni)	420
Molybdenum (Mo)**	N/A
Selenium (Se)	36
Zinc (Zn)	2800

* Chromium was removed from the list of 503 Pollutants measured in 1996

** Molybdenum is only track for the ceiling concentration. There is not a separate level for EQ material.

Section 12. Ecological Information

Keep out of bodies of water.

Section 13. Disposal Considerations

Waste Disposal Methods

Sweep, shovel, or use explosion resistant vacuum to clean up. Put in labeled container(s). Prevent material from getting into drains, sewer, or bodies of water. If possible reuse product. Material is a fertilizer, use as such. Ensure that disposal is in compliance with local, state and federal regulations. Keep material dry. Bulk wetted material may generate heat during storage.

Section 14. Transportation Information

Proper shipping name	Fertilizer material
DOT ID Number	NA
Hazard Class	NA
CERCLA	Not Listed
SEC 302	Not Listed
SEC 304	Not Listed
SEC 313	Not Listed
CAA	Not Listed
TSCA	Not Listed

Section 15. Regulatory Information

SARA Information	
Immediate (Acute) Health	No
Delayed (Chronic) Health	No
Sudden Release of Pressure	No
Reactivity	No
Fire	Yes

Section 16. Other Information

Disclaimer: This information related to this specific product for its specified uses as listed in Section 1 and may not apply to this product used in combination with other products or for other purposes. The information provided is believed to be correct as of the date compiled. No warranty, expressed or implied, regarding the merchantability, or suitability or fitness for a particular purpose or of any other nature is provided here in. We do not accept liability for any loss or damage that may occur from the use of this information. Individuals receiving this information are expected to exercise independent judgment in determining the appropriateness for a particular use in accordance with any applicable local, state, and federal laws and regulations.



Some state and local regulations may apply to the use of this material. It is the end users responsibility to ensure safe use in compliance with all local, state and federal laws.



Clsrc # 020327

Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	CLASS D-2B: Material causing other toxic effects (TOXIC).	Class: Irritating substance.
WHMIS (Pictograms)	WHMIS (Classification)	HCS
Section 1. Chemical Product and Company Identification		
Product Name/ Trade name	Green Earth Peroxide Cleaner	Code 336
Synonym	Hydrogen Peroxide Cleaner	CAS # Mixture.
Chemical Family	Not Applicable	Validation Date 6/21/2004
Chemical Formula	Not applicable.	Print Date 6/21/2004
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Oh 43607 (419) 241-2156	In Case of Emergency Chemtrec (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.	
DSL/ NDSL	All components listed unless noted elsewhere on this MSDS	
		Protective Clothing 

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
1) Hydrogen Peroxide	7722-84-1	1-5	Not available.	Not available.
2) Sodium Lauryl Sulfate	151-21-3	1-5	Not available.	Not available.
3) Hydrogen Peroxide Stabilizer	N/A	1-5	Not available.	Not available.
4) Alcohol Ethoxylate	68439-46-3	1-5	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation. Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin. Non-corrosive to the eyes.
Potential Chronic Health Effects	Repeated or prolonged exposure is not known to aggravate medical condition.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Avoid contact with eyes. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Seek medical attention, if irritation persists.
Inhalation	Allow the victim to rest in a well ventilated area.
Ingestion	Do not induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention. NEVER give an unconscious person anything to ingest.

Section 5. Fire Fighting Measures

Products of Combustion	Oxygen
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

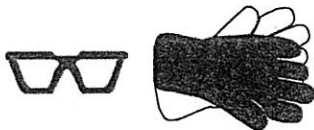
Section 6. Accidental Release Measures

Small Spill and Leak	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Handling and Storage

Precautions	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
Incompatibility	Slightly reactive with oxidizing agents, reducing materials
Storage	Keep away from direct sunlight or strong incandescent light. Keep away from heat, sparks and flame. Keep away from incompatibles. Use with adequate ventilation.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Good general ventilation should be sufficient to control airborne levels.
Personal Protection	
	<i>Eyes</i> Safety glasses.
	<i>Body</i> No special recommendations.
	<i>Respiratory</i> A respirator is not needed under normal and intended conditions of product use.
	<i>Hands</i> Gloves.
Protective Clothing (Pictograms)	
Exposure Limits	Not available.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Minty.
Molecular Weight	Not applicable.	Taste	Not available.
pH	3.5 to 4.5 [Acidic.]	Color	Water White.
Boiling/Condensation Point	212 F		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		

Instability Temperature	Not available.
Specific Gravity	1.002 (Water = 1)
Vapor Pressure	>1
Vapor Density	>1 (Air = 1)
Volatility	Not available.
VOC	Not available.
Evaporation Rate	Not available.
Dispersion Properties	See solubility in water.
Solubility	Soluble in cold water, hot water.
The Product is:	May be combustible at high temperature.
Auto-ignition Temperature	Not available.
Flash Points	CLOSED CUP: >98.889°C (210°F).
Flammable Limits	Not available.
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Containers may explode when heated.

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Slightly reactive with oxidizing agents, reducing materials
Hazardous Decomposition Products	Not available.

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Acute Effects on Humans	<p><i>Eyes</i> Hazardous in case of eye contact (irritant). Non-corrosive to the eyes.</p> <p><i>Skin</i> Slightly hazardous in case of skin contact (irritant).</p> <p><i>Inhalation</i> Slightly hazardous in case of inhalation.</p> <p><i>Ingestion</i> Slightly hazardous in case of ingestion.</p>
Chronic Effects on Humans	Repeated or prolonged exposure is not known to aggravate medical condition.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	These products are carbon oxides (CO, CO2) and water.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

Section 14. Transport Information**DOT (U.S.A.)
(Pictograms)****TDG Classification** Not controlled under TDG (Canada).**PIN UN, Proper Shipping Name, PG** Not applicable.**Maritime Transportation** Not available.**Special Provisions for Transport** Not applicable.**Section 15. Other Regulatory Information and Pictograms****WHMIS (Classification)** CLASS D-2B: Material causing other toxic effects (TOXIC).**Regulatory Lists** No products were found.**Other Regulations** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).**Other Classifications****HCS (U.S.A.)**

Class: Irritating substance.

USA Regulatory Lists

California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive effects which would require a warning under the statute: Ethylene Oxide <1 ppm

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Ethylene Oxide <1 ppm

Massachusetts RTK: Ethylene Oxide <1 ppm

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Nonionic Surfactant: immediate health hazard

DSD (EEC)

This product is not classified according to the EU regulations.

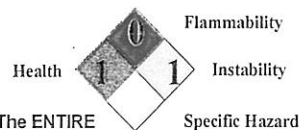
International
Regulations Lists

No products were found.

Hazardous Material
Information System
(U.S.A.)

Health	1
Flammability	0
Physical Hazard	1

National Fire
Protection
Association (U.S.A.)



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Validated by CRushton on 6/21/2004.

Verified by CRushton.

Printed 6/21/2004.

Information Contact Betco Corporation
 1001 Brown Avenue
 Toledo, Ohio 43607

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on 6/21/2004.

Green Earth Peroxide Cleaner

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CleanSource #020359

Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	Not a WHMIS controlled material.	Class: Irritating substance.
WHMIS (Pictograms)	WHMIS (Classification)	HCS

Section 1. Chemical Product and Company Identification

Product Name/ Trade name	Green Earth Restroom Cleaner	Code	548
Synonym	Heavy Duty Foaming Scum Remover/Restroom Cleaner	CAS #	Mixture.
Chemical Family	Not available.	Validation Date	5/11/2009
Chemical Formula	Not applicable.	Print Date	5/11/2009
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Oh 43607 (419) 241-2156	In Case of Emergency	Chemtrec (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL/ NDSL	All components listed unless noted elsewhere on this MSDS		
		Protective Clothing 	

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Urea Hydrochloride	506-89-8	10 - 20	Not available.	Not available.
Cocamidopropyl Betaine	61789-40-0	1 - 5	Not available.	Not available.
Ethoxylated Alcohol	68439-46-3	1 - 5	Not available.	Not available.
Glycol Ether DB	112-34-5	1 - 5	Not available.	Not available.
Polyglycoside Surfactant	110615-47-9	1 - 5	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	Non-corrosive for skin. Inhalation of the spray mist may produce irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Inflammation of the eye is characterized by redness, watering, and itching.
Potential Chronic Health Effects	Repeated or prolonged contact with spray mist may produce eye irritation and skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration., preferably mouth to mouth if possible.
Ingestion	Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person

Section 5. Fire Fighting Measures

Products of Combustion Not available.

Fire Fighting Media and Instructions SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards Non combustible.

Special Remarks on Explosion Hazards No additional remark.

Section 6. Accidental Release Measures

Small Spill and Leak Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Handling and Storage

Precautions Keep away from incompatibles. May react or be incompatible with oxidizing materials.

Incompatibility oxidizing agents

Storage Keep out of the reach of children. Not for use or storage in or around the home.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Good general ventilation should be sufficient to control airborne levels.

Personal Protection

Eyes Safety glasses.

Body No special recommendations.

Respiratory Wear appropriate respirator when ventilation is inadequate.

Hands Gloves.

Protective Clothing (Pictograms)



Exposure Limits See Section 2 For Applicable Exposure Limits

Section 9. Physical and Chemical Properties

Physical State and Appearance Liquid.

Odor Citrus Floral

Molecular Weight Not applicable.

Taste Not available.

pH <2 [

Color Green.

Boiling/Condensation Point 100°C (212°F)

Melting/Freezing Point Not available.

Critical Temperature Not available.

Instability Temperature Not available.

Specific Gravity 1.04 (Water = 1)

Vapor Pressure Not available.

Vapor Density	>1 (Air = 1)
Volatility	>75% (w/w).
OC	Actual VOC Content (<3% By Weight), VOC Content - Consumer Products Regulations (<1% by Weight)
Evaporation Rate	<1 compared to Water
Dispersion Properties	See solubility in water.
Solubility	Soluble in cold water, hot water.
The Product is:	May be combustible at high temperature.
Auto-ignition Temperature	Not available.
Flash Points	CLOSED CUP: >98.889°C (210°F).
Flammable Limits	Not available.
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Not applicable

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	oxidizing agents
Hazardous Decomposition Products	Not available.

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Acute Effects on Humans	<i>Eyes</i> Irritating to eyes. <i>Skin</i> Slightly irritating to the skin. <i>Inhalation</i> Slightly irritating to the respiratory system. <i>Ingestion</i> Harmful if swallowed. Irritating to mouth, throat and stomach.
Chronic Effects on Humans	Repeated or prolonged contact with spray mist may produce eye irritation and skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
OD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

Section 14. Transport InformationDOT (U.S.A)
(Pictograms)

DG Classification Not controlled under TDG (Canada).



PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) Not a WHMIS controlled material.



Regulatory Lists CEPA DSL: No products were found.

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications HCS (U.S.A.) Class: Irritating substance.

USA Regulatory Lists No products were found.

DSD (EEC)

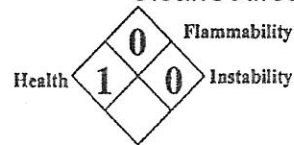
International Regulations Lists No products were found.

**Hazardous Material
Information System
(U.S.A.)**

Health	1
Flammability	0
Physical Hazard	0

**National Fire
Protection
Association
(U.S.A.)**

CleanSource #020359



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product. Specific Hazard

Section 16. Other Information

Validated by CRushton on 5/11/2009.

Verified by CRushton.

Printed 5/11/2009.

Information Contact Betco Corporation
1001 Brown Avenue
Toledo, Ohio 43607

Notice to Reader:

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Validated on 5/11/2009.

Green Earth Restroom Cleaner

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CleanSource #020359

HOJA DE DATOS DE SEGURIDAD DEL MATERIAL

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	Substancia no controlada por WHMIS.	CLASE: Substancia irritante.
WHMIS (Pictograms)	WHMIS (Clasificación)	HCS
Sección 1. Identificación del producto y de la compañía		
Nombre del producto/ Nombre comercial	Green Earth Restroom Cleaner	Código 548
Sinónimo	Heavy Duty Foaming Scum Remover/Restroom Cleaner	CAS # Mezcla.
Familia química	No disponible.	Validato 5/11/2009
Fórmula química	No aplicable.	Impreso 5/11/2009
Fabricante	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (419) 241-2156	En caso de emergencia Chemtrec (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.	
DSL	All components listed unless noted elsewhere on this MSDS	
		Ropas de protección 

Sección 2. Composición e informaciones sobre los ingredientes

Nombre	CAS #	% en peso	Límites de exposición	CL ₅₀ /DL ₅₀
Urea Hydrochloride	506-89-8	10 - 20	No disponible.	No disponible.
Cocamidopropilbetaina	61789-40-0	1 - 5	No disponible.	No disponible.
Ethoxylated Alcohol	68439-46-3	1 - 5	No disponible.	No disponible.
Glycol Ether DB	112-34-5	1 - 5	No disponible.	No disponible.
Polyglycoside Surfactant	110615-47-9	1 - 5	No disponible.	No disponible.

Sección 3. Identificación de riesgos

Efectos agudos potenciales en la salud	Non-corrosive for skin. Inhalation of the spray mist may produce irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Inflammation of the eye is characterized by redness, watering, and itching.
Efectos crónicos potenciales en la salud	Una exposición repetida o prolongada al spray puede causar una irritación crónica en los ojos o una grave irritación de la piel. Una exposición repetida o prolongada al spray puede causar una irritación de las vías respiratorias que puede conducir a frecuentes infecciones de los bronquios. La exposición repetida a un producto altamente tóxico puede causar una deterioración general del estado de salud debido a una acumulación en uno o varios órganos humanos.
Efectos carcinógenos	No clasificado o listado por IARC, NTP, OSHA, EU y ACGIH.

Sección 4. Primeros auxilios

Contacto con los ojos	Verificar si la víctima porta lentes de contacto y en este caso, retirárselas. En caso de contacto, lave los ojos inmediatamente con mucha agua durante por lo menos 15 minutos. Obtenga atención médica inmediatamente.
Contacto con la piel	En caso de contacto, lave con chorro inmediatamente con mucha agua por lo menos durante 15 minutos mientras se quita la ropa contaminada y los zapatos. Lave la ropa antes de volverla a usar. Limpie completamente los zapatos antes de volverlos a usar. Obtenga atención médica inmediatamente.

Inhalación	Traslade a la víctima a un lugar con aire fresco. Si la víctima no respira, llame al 911 o a una ambulancia y practique respiración artificial, preferiblemente boca a boca si fuera posible.
Ingestión	Llame inmediatamente a un centro de control de venenos o a un médico para solicitar asesoramiento sobre el tratamiento. Haga que la víctima tome a sorbos un vaso de agua, si puede tragar. No induzca el vomito, a menos que el médico o el centro de control de venenos se lo indiquen. Nunca administre nada por boca a una persona inconsciente.

Sección 5. Medidas de extinción de incendios

Productos de la combustión	No disponible.
Aparatos y método de lucha contra los incendios	INCENDIO PEQUEÑO: Usar polvo químico SECO. GRAN INCENDIO: Utilizar agua en spray, evaporada o una espuma. NO utilizar un surtidor de agua.
Observación especial sobre los riesgos de incendio	No combustible.
Observación especial sobre los riesgos de explosión	Ninguna observación adicional.


Sección 6. Medidas a tomar cuando haya derrames accidentales

Derrame pequeño	Diluir con el agua y limpiar, o absorber con un material inerte seco y colocar en un contenedor de recuperación apropiado. Si es necesario: Neutralizar el residuo con una solución diluida de carbonato de sodio. Terminar la limpieza vertiendo agua en la superficie contaminada y eliminar según las exigencias locales y regionales.
Derrame importante	Absorber con un material inerte y poner el producto esparcido en un recipiente apropiado para su recuperación.
Protección personal al momento de un derrame importante	Lentes anti-salpicaduras. Ropa de protección completa. Botas. Guantes. Las ropas de protección sugeridas podrían no asegurar una protección suficiente; consultar a un especialista ANTES de tocar este producto.

Sección 7. Manejo y almacenaje

Precauciones	Conservar a distancia de materiales incompatibles. Puede reaccionar o ser incompatible con materiales oxidantes.
Incompatibilidad	agentes oxidantes
Almacenamiento	- Manténgase fuera del alcance de los niños. No es para uso o almacenaje dentro o cerca del hogar.

Sección 8. Controles al momento de la exposición/Protección personal

Controles de ingeniería	Una ventilación usual debería ser suficiente para mantener el número de partículas aerotransportadas a un nivel aceptable.
Protección personal	<p>Ojos Lentes de seguridad.</p> <p>Cuerpo *** to be translated ***</p> <p>Respiratoria Portar un aparato de respiración apropiado cuando el sistema de ventilación sea inadecuado.</p> <p>Manos Guantes.</p>
Ropa de protección (Pictogramas)	
Límites de exposición	See Section 2 For Applicable Exposure Limits

Sección 9. Propiedades físicas y químicas

Estado físico y apariencia	Líquido	Olor	Citrus Floral
Peso molecular	No aplicable.	Sabor	No disponible.
pH	<2 [Color	Verde.
Punto de ebulición/condensación	100°C (212°F)		
Punto de fusión/congelamiento	No disponible.		
Temperatura crítica	No disponible.		
Temperatura de inestabilidad	No disponible.		
Gravedad Específica	1.04 (Agua = 1)		
Presión de vapor	No disponible.		
Densidad de vapor	>1 (Aire= 1)		
Volatilidad	>75% (p/p).		
VOC	Actual VOC Content (<3% By Weight), VOC Content - Consumer Products Regulations (<1% by Weight)		
Índice de evaporación	<1 comparado con Agua		
Propiedades de dispersión	Ver la solubilidad en agua.		
Solubilidad	Soluble en el agua fría, el agua caliente.		
El producto es :	Puede ser combustible a altas temperaturas.		
Temperatura de autoignición	No disponible.		
Puntos de inflamación	CRISOL CERRADO: >98.889°C (210°F).		
Límites de inflamabilidad	No disponible.		
Riesgos de incendio en presencia de sustancias diversas	No disponible.		
Riesgos de explosión en presencia de sustancias diversas	No disponible		

Sección 10. Datos sobre la estabilidad y la reactividad

Estabilidad	El producto es estable.
Incompatibilidad con diferentes materiales	agentes oxidantes
Productos de descomposición peligrosos	No disponible.

Sección 11. Datos sobre la salud y la toxicología

Vías de absorción	Absorbido a través de la piel. Contacto con los ojos. Inhalación.
Toxicidad en los animales	DL50: No disponible. CL50: No disponible.
Efectos agudos en los humanos	<i>Ojos</i> Irrita los ojos. <i>Piel</i> Ligeramente irritante para la piel. <i>Inhalación</i> Ligeramente irritante para el sistema respiratorio. <i>Ingestión</i> Nocivo si se ingiere. irritante para la boca, la garganta y el estómago.
Efecto crónicos en humanos	Una exposición repetida o prolongada al spray puede causar una irritación crónica en los ojos o una grave irritación de la piel. Una exposición repetida o prolongada al spray puede causar una irritación de las vías respiratorias que puede conducir a frecuentes infecciones de los bronquios. La exposición repetida a un producto altamente tóxico puede causar una deterioración general del estado de salud debido a una acumulación en uno o varios órganos humanos.
Observación especial sobre la toxicidad en los animales	No disponible.
Observación especial en los efectos crónicos en los humanos	No disponible.



Sección 12. Información sobre la ecología

Ecotoxicidad	No disponible.
BOD5 y COD	No disponible.
Productos de biodegradación	Productos de degradación peligrosos a plazo corto no son anticipados. Sin embargo, puede producirse degradación a plazo largo.
Toxicidad de los productos de biodegradación	No disponible.
Observación especial sobre los productos de biodegradación	No disponible.

Sección 13. Consideraciones al momento de la disposición

Información sobre de los desechos	Los desperdicios deben ser desechados de acuerdo con las regulaciones federales, estatales y de control ambiental local.
Corriente de desperdicio	No disponible.

Sección 14. Datos sobre la expedición

DOT (Estados Unidos) (Pictogramas)	
Clasificación para el TMD Sustancia no reglamentada por el TDG (Canadá).	

PIN No aplicable.
 Transportación Marítima No disponible.

Disposiciones particulares No aplicable.
 para el transporte

Sección 15. Otras informaciones reglamentarias y pictogramas

WHMIS (Clasificación) Substancia no controlada por WHMIS.



Listas Reguladoras Lista nacional de sustancias según la Ley de Protección del Medio Ambiente del Canadá: No se encontraron productos

Other regulations OSHA : Peligroso por definición en el "Hazardous Communication Standard" (29 CFR 1910.1200).

Otras clasificaciones HCS (Estados Unidos) CLASE: Substancia irritante.

Listas Reguladoras No se encontraron productos.
 de EUA

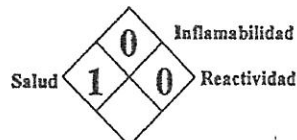
DSD (EEC)

Listas de Regulaciones Internacionales No se encontraron productos

Hazardous Material
 Information System
 (Estados Unidos)

Salud	1
Inflamabilidad	0
Reactividad	0

National Fire
 Protection
 Association
 (Estados Unidos)



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product. Peligro específico

Sección 16. Datos complementarios

Validado por CRushton el 5/11/2009.

Verificado por CRushton.

Impreso el 5/11/2009.

Contacto para
 información Betco Corporation
 1001 Brown Avenue
 Toledo, Ohio 43607
 (419) 241-215

Aviso al lector

Según lo mejor de nuestros conocimientos, la información contenida en este documento es exacta. Sin embargo, ni el proveedor arriba mencionado ni ninguna de sus sucursales pueden asumir alguna responsabilidad que tenga que ver con la exactitud o el est

Continúa en la página siguiente

Procter & Gamble

Professional[®]

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name P&G Pro Line New Directions Floor Finish
Product Code 99716714
Version # 03
Revision date 11-01-2010
Manufacturer Procter & Gamble Professional
Address 2 P&G Plaza
 Cincinnati
 Ohio
 45202
 US
P&G Telephone Number: 1-800-332-7787
Emergency 24-hr
Telephone #: CHEMTREC 1-800-424-9300

2. Hazards Identification

Potential health effects

Routes of exposure Ingestion. Inhalation. Skin contact. Eye contact.
Eyes Health injuries are not known or expected under normal use. Accidental exposure may cause transient irritation.
Skin Health injuries are not known or expected under normal use. Contact with skin may cause irritation.
Inhalation Health injuries are not known or expected under normal use. May be irritating. May aggravate respiratory ailments.
Ingestion Health injuries are not known or expected under normal use. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Potential environmental effects

Considering the limited amount applied during use and the size of the container, the risk of adverse effects is considered small.

3. Composition / Information on Ingredients

Components	CAS #	Percent
TRIBUTOXYETHYL PHOSPHATE	78-51-3	1-5
TRIPROPYLENE GLYCOL MONOMETHYL ETHER	25498-49-1	1-5
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	0.1-1

4. First Aid Measures

First aid procedures

Eye contact Immediately rinse with water for several minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if symptoms persist.
Skin contact Wash affected area with mild soap and water. Rinse with plenty of water. Get medical attention if irritation develops and persists.
Inhalation Move to fresh air. Get medical attention if symptoms persist.
Ingestion Drink 1 or 2 glasses of water. Do not induce vomiting. Never give liquid to an unconscious person. Get medical attention if any discomfort continues.

5. Fire Fighting Measures

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Extinguishing media**Suitable extinguishing media**

Water. Foam. Carbon dioxide (CO2).

Protection of firefighters**Protective equipment and precautions for firefighters**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Hazardous combustion products

Irritating and/or toxic gases may be emitted upon the products decomposition.

6. Accidental Release Measures**Personal precautions**

Keep unnecessary personnel away. Wear suitable protective clothing.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Clean-up methods and materials and containment measures

In case of spills, beware of slippery floors and surfaces. Stop the flow of material, if this is without risk. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

7. Handling and Storage**Handling**

Use personal protective equipment as required. Avoid contact with eyes. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of reach of children.

Storage

Store in a cool and well-ventilated place. Keep from freezing.

8. Exposure Controls / Personal Protection**Occupational exposure limits****US. ACGIH Threshold Limit Values**

Components	Type	Value
DIPROPYLENE GLYCOL	STEL	150 ppm
METHYL ETHER (34590-94-8)	TWA	100 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
DIPROPYLENE GLYCOL	PEL	100 ppm
METHYL ETHER (34590-94-8)		600 mg/m3

Engineering controls

Provide adequate ventilation.

Personal protective equipment**Eye / face protection**

Not normally needed. If contact is likely, safety glasses with side shields are recommended.

Skin protection

Not normally needed. If prolonged or repeated contact is likely, protective gloves are recommended.

Respiratory protection

Not normally needed.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties**Color**

White

Odor

Mild.

Odor threshold

Not available.

Physical state

Liquid.

pH

8 - 9

Melting point

Not available.

Freezing point

Not available.

Boiling point

212 °F (100 °C)

Flash point

>= 210 °F (>= 98.9 °C)

Evaporation rate	Not available.
Vapor pressure	Not available.
Specific gravity	1.024
Solubility (water)	Dispersible
Partition coefficient (n-octanol/water)	Not available
VOC	≤ 1%

10. Chemical Stability & Reactivity Information

Chemical stability	This is a stable material.
Conditions to avoid	Keep from freezing.
Hazardous decomposition products	Irritating and/or toxic gases may be emitted upon the products decomposition.
Hazardous polymerization	Will not occur.

11. Toxicological Information

Toxicological data

Components

Test Results

TRIPROPYLENE GLYCOL MONOMETHYL ETHER (25498-49-1)	Acute Inhalation LC50 0.05 mg/l
DIPROPYLENE GLYCOL METHYL ETHER (34590-94-8)	Acute Dermal LD50 Rabbit: 9.5 g/kg Acute Oral LD50 Rat: 5.4 ml/kg Acute Oral LD50 Rat: 5.35 g/kg
TRIBUTOXYETHYL PHOSPHATE (78-51-3)	Acute Oral LD50 Guinea pig: 3000 mg/kg Acute Oral LD50 Rat: 3000 mg/kg Acute Other LD50 Mouse: 180 mg/kg

Sensitization	Not available.
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US ACGIH Threshold Limit Values: Skin designation

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8)

Can be absorbed through the skin.

Chronic effects	Not available.
Skin corrosion/irritation	Not available.

12. Ecological Information

Environmental effects	Based on ecotoxicity and fate data for the individual ingredients in this specific formulation, and for related consumer household cleaning products formulations, this product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment at relevant environmental concentrations. This product is intended for dispersive use and should not be disposed of directly into the environment.
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13. Disposal Considerations

Waste codes	Not applicable.
Disposal instructions	Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

14. Transport Information

DOT

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

15. Regulatory Information**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

US TSCA Section 12(b) Export Notification: Export Notification requirement/De minimis concentration

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8) 1.0 % One-Time Export Notification only.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

TRIBUTOXYETHYL PHOSPHATE (CAS 78-51-3) 1.0 % N230

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

TRIBUTOXYETHYL PHOSPHATE (CAS 78-51-3) Listed. N230

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical

No

State regulations**ILLRTK**

Contains no Illinois Right To Know toxic substances.

US - Massachusetts RTK - Substance: Listed substance

Contains no Massachusetts Right To Know substances.

US - New Jersey RTK - Special Hazard: Listed substance

Contains no New Jersey Right To Know special hazards.

US - New Jersey RTK - Substances: Listed substance

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8) LISTED

TRIBUTOXYETHYL PHOSPHATE (CAS 78-51-3) LISTED

US - Pennsylvania RTK - Hazardous Substances: Listed substance

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8) LISTED

TRIBUTOXYETHYL PHOSPHATE (CAS 78-51-3) LISTED

US - Rhode Island RTK - Hazardous Substances: Listed substance

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8) LISTED

Canadian regulations

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Inventory Status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information**HMIS® ratings**

Health: 1
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 1
Flammability: 1
Instability: 0

Disclaimer

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.




Clsrc # 060129

Material Safety Data Sheet


WHMIS (Pictograms)

WHMIS (Classification)

HCS

	WHMIS CLASS E: Corrosive liquid.	HCS Class: Corrosive liquid.
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Section 1. Chemical Product and Company Identification

Product Name/ Trade name	Es-Steam	Code	402
Synonym	Extraction Cleaner	CAS #	Not applicable.
Chemical Family	Not available.	Validation Date	8/11/2003
Chemical Formula	Not applicable.	Print Date	8/13/2003
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (419) 241-2156	In Case of Emergency	Chemtrec (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL	DSL : All components listed unless noted elsewhere on this MSDS		
		Protective Clothing 	

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
1) Water	7732-18-5	>54	Not available.	Not available.
2) Anionic Surfactant	5324-84-5	<15	Not available.	Not available.
3) Potassium Metasilicate	1312-76-1	<15	Not available.	Not available.
4) Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	<10	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
5) Nonionic Surfactant	9016-45-9	<1	Not available.	Not available.
6) Nonionic Surfactant	66455-15-0	<1	Not available.	Not available.
7) Propylene Glycol	57-55-6	<1	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Rat].
8) Perfume Oil	N/A	<1	Not available.	Not available.
9) Dye	N/A	<1	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	Corrosive to eyes and skin. Harmful if swallowed.
Potential Chronic Health Effects	May aggravate existing respiratory conditions such as asthma.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention.
Skin Contact	Remove contaminated clothing and shoes. Rinse skin with plenty of water for 15 to 20 minutes. Seek medical attention.
Inhalation	Get to fresh air. Seek medical attention if irritation persists.
Ingestion	Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person

Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	Non-flammable substance. Use DRY chemicals, CO2, water spray or foam.
Special Remarks on Fire Hazards	N/A
Special Remarks on Explosion Hazards	N/A

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Handling and Storage

Precautions	After handling, always wash hands thoroughly with soap and water. Avoid contact with skin and eyes. DO NOT ingest.
Incompatibility	Strong acids.
Storage	Keep out of reach of children. Keep only in the original container. For Institutional and Commercial Use

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Good general ventilation should be sufficient to control airborne levels.
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Personal Protection

Eyes Splash goggles.

Body No special protective clothing is required.

Respiratory Wear appropriate respirator when ventilation is inadequate.

Hands Gloves.

Protective Clothing (Pictograms)



Exposure Limits	Not available.
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Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid. (Hazy liquid.)	Odor	Pleasant. (Slight.)
Molecular Weight	Not applicable.	Taste	Not available.
pH	11.8 to 13 [Basic.]	Color	Green.
Boiling/Condensation Point	214°F initial		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1.1 (Water = 1)		
Vapor Pressure	20mm Hg @ 68°F		
Vapor Density	>1 (Air = 1)		
Volatility	75		
VOC	Not available.		
Evaporation Rate	<1		
Dispersion Properties	See solubility in water.		
Solubility	Easily soluble in cold water.		
The Product is:	Non-flammable.		
Auto-ignition Temperature	Not available.		
Flash Points	CLOSED CUP: >98.889°C (210°F).		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	Non-flammable.		
Explosion Hazards in Presence of Various Substances	Not applicable		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Strong acids.
Hazardous Decomposition Products	Will not occur.

Section 11. Toxicological Information

Routes of Entry	Eye contact.
Toxicity to Animals	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium EDTA).
Acute Effects on Humans	<p><i>Eyes</i> Severe eye irritant. Liquid and mist may damage the eyes causing corneal injury.</p> <p><i>Skin</i> Skin irritant. May cause redness or swelling. Prolonged or repeated contact may cause dermatitis.</p> <p><i>Inhalation</i> Vapors may be irritating to mucous membranes in the nose, throat, and lungs.</p> <p><i>Ingestion</i> Irritating to the mouth, throat, and gastrointestinal system. Large doses may cause vomiting and diarrhea.</p>
Chronic Effects on Humans	May aggravate existing respiratory conditions such as asthma.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Information	Any method in accordance with applicable laws.
Waste Stream	Not available.

Section 14. Transport Information

DOT (U.S.A)
(Pictograms)



TDG Classification TDG Class 8: Corrosive liquid.



PIN UN, Proper Shipping Name, PG 1760 Corrosive liquid n.o.s.

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification)

WHMIS CLASS E: Corrosive liquid.



Regulatory Lists

No products were found.

Other Regulations

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications

HCS (U.S.A.)

HCS Class: Corrosive liquid.

USA Regulatory Lists

SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
Potassium Hydroxide: immediate health hazard

DSD (EEC)

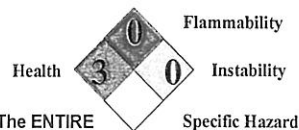
International Regulations Lists

No products were found.

Hazardous Material Information System (U.S.A.)

Health	3
Flammability	0
Physical Hazard	0

National Fire Protection Association (U.S.A.)



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Validated by CRushton on 8/11/2003.

Verified by CRushton.

Printed 8/13/2003.

Information Contact

Betco Corporation
1001 Brown Avenue
Toledo, Ohio 43607

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on 8/11/2003.

Es-Steam

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Continued on Next Page



CleanSource #09620

MATERIAL SAFETY DATA SHEET

Prepared: 22 November 2010

Section 1 – Product and Company Identification

Product(s): **ELIMINATOR™ Carpet Spot and Stain Remover**
Formula: A106
Part Number(s): 10616, 10620

Company Name & Address:



805 E. Old 56 Hwy.
Olathe, KS 66061
800-443-9536 (8 a.m. – 5 p.m. Weekdays, CDT)

Emergency Numbers:

IN CASE OF EMERGENCY, CALL Infotrac @ 1-800-535-5053, 24 hrs.
INTERNATIONAL EMERGENCY NUMBER 352-323-3500
Poison Control Center: 1-800-222-1222

Material Safety Data Sheets:

www.dymon.com**Section 2 – Hazards Identification**

WARNING. Causes eye irritation. May cause skin irritation. May be absorbed through intact skin. May be harmful if inhaled or swallowed. Occupational overexposure may cause central nervous system effects. Contents under pressure.

Potential Health Effects

EYES: Causes eye irritation.

SKIN: May be absorbed through intact skin. May cause skin irritation.

INHALATION: May be harmful if inhaled.

INGESTION: May be harmful if swallowed.

Signs/symptoms of exposure: redness, tearing or burning in eyes. Redness, drying and cracking of skin. If swallowed may cause drowsiness, dizziness, loss of coordination, vomiting and abdominal pain. Medical conditions generally aggravated by exposure: pre-existing skin and lung disorders may be adversely affected. Follow good chemical hygiene practices to avoid these hazards.

HMIS Rating

Health – 1

Flammability – 2

Reactivity – 0

Personal Protection – A

Section 3 – Composition/Information on Ingredients

Ingredient	CAS Number	Percent Range
Water	7732-18-5	60 – 100
2-Butoxyethanol	111-76-2	7 – 13
Isobutane	75-28-5	3 – 7
Butoxydiglycol	112-34-5	1 – 5
Isopropyl Alcohol	67-63-0	1 – 5
Propane	74-98-6	1 – 5

Any substance listed as hazardous by the states of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

Section 4 – First Aid Measures

EYES: Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Seek medical attention immediately.

SKIN: Wash with soap and water. If irritation arises and persists seek medical attention.

INHALATION: Move to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration.

INGESTION: If conscious, drink plenty of water. Seek medical attention immediately. Never give anything by mouth to an unconscious person.

Section 5 – Fire Fighting Measures

Flashpoint (PMCC):	115° F
Extinguishing Media:	Use carbon dioxide, dry chemical, foam or fog as needed.
Special Fire Fighting Procedures:	Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways. Wear self-contained breathing apparatus (SCBA) in chemical fires.
Hazardous Products of Combustion:	Carbon monoxide, carbon dioxide, hydrogen, and nitrogen.

Section 6 – Accidental Release Measures

Small spill:	Wipe up small releases with a dry absorbent cloth or other absorbent material.
Large spill:	Ventilate area and block traffic. Absorb liquid with vermiculite, absorbent cloth, or other absorbent material. Prevent material from entering sewers and drains. Transfer contaminated material into suitable container for proper disposal.

Section 7 – Handling and Storage

Handling:	Avoid contact with eyes, skin and clothing. Do not swallow. Wash thoroughly after handling and launder clothing before reuse. Avoid inhaling mists or vapors. Do not deliberately concentrate and inhale vapors. Use with adequate ventilation. Direct spray away from face. Spray can in upright position only. Follow good chemical hygiene practices when handling this material. Use from original container only and follow label directions carefully.
Storage:	Keep away from heat, sparks, open flame and direct sunlight. Store in a cool (less than 120° F) well-ventilated area. Keep out of reach of children. Do not contaminate water, food or feed by use or storage. Do not puncture or incinerate container. Replace cap when not in use.

Section 8 – Exposure Controls/Personal Protection

Engineering controls:	Ventilation not usually necessary but should be provided in the event of overexposure.
Exposure limits:	2-Butoxyethanol (CAS# 111-76-2)=50 ppm OSHA; 20 ppm ACGIH (skin designation) Isobutane (CAS# 75-28-5)=800 ppm OSHA; 800 ppm ACGIH Isopropyl Alcohol (CAS# 67-63-0)=400 ppm OSHA; 400 ppm ACGIH; 500 ppm STEL Propane (CAS# 74-98-6)=1000 ppm OSHA; Asphyxiant ACGIH
Eye protection:	Yes, wear approved safety glasses or goggles if direct contact is possible.
Skin protection:	Not usually necessary. Use if contact with skin is possible.
Respiratory protection:	Not usually necessary. If vapors are present or irritation is experienced, use NIOSH/MSHA approved respirator.

Section 9 – Physical and Chemical Properties

Appearance and Odor:	Whitish liquid with a citrus odor in an aerosol can.	
pH: 9.0	Boiling Point: 212° F	Specific Gravity: 0.991
Vapor Density: >1	Flame Projection: None	Solubility in Water: Complete
Pressure: 121 psig	Volatile Organic Compounds (VOCs): 14.91% by weight	

Section 10 – Stability and Reactivity

Hazardous Polymerization:	This product will not undergo hazardous polymerization.
Hazardous Decomposition or Byproducts:	Carbon monoxide, carbon dioxide, hydrogen and nitrogen.
Chemical Stability:	Stable
Incompatible Materials:	Chlorine, oxidizers, and strong alkalis.

Section 11 – Toxicological Information

No data.

Section 12 – Ecological Information

No data.



Formula: A106

Page 3 of 3

Section 13 – Disposal Considerations

Dispose of in accordance with all applicable local, state, and federal regulations.

Waste information: If this product becomes a waste, it would not be a hazardous waste as defined by RCRA (40CFR261). However the waste should be properly evaluated in case of modification prior to disposal.

Section 14 – Transport Information

The following transportation information is based on Department of Transportation Regulations found in 49 CFR. If shipping this product by air please refer to International Air Transport Association (IATA) Dangerous Goods Regulations. If shipping this product by ocean please refer to International Maritime Dangerous Goods Regulations (IMDG). To find how to ship this product please refer to the UN# listed below.

	UN #	Proper Shipping Description	Hazard Class	Packing Group
DOT Information	None	Consumer Commodity	ORM-D	None

Marine Pollutants: None

Section 15 – Regulatory Information

US Federal Regulations

Toxic Substances Control Act (TSCA): All ingredients are on the TSCA inventory or exempt from listing.

CERCLA RQ

None

SARA 313 Components

None

State and Local Regulations

California Proposition 65

This product may contain trace chemicals known to the State of California to cause cancer, and/or birth defects or other reproductive harm.

Section 16 – Other Information

WARNING! The use of this product is beyond the control of the manufacturer; therefore, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The user must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials. The manufacturer warrants only that this product meets the manufacturer's specifications for such product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE IMPROPER USE OF THIS PRODUCT. The sole and exclusive remedy against the manufacturer for breach of warranty shall be reimbursement of the purchase price of the product in the event that a defective condition of the product shall be found to exist. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.



Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	Not controlled under WHMIS (Canada). WHMIS Class D-2B: Material causing other toxic effects (TOXIC).	HCS Class: Irritating substance.
WHMIS (Pictograms)	WHMIS (Classification)	HCS
Section 1. Chemical Product and Company Identification		
Product Name/ Trade name	Green Earth Daily Floor Cleaner	Code 536
Synonym	Neutral Cleaner	CAS # Not applicable.
Chemical Family	Not available.	Validation Date 4/14/2004
Chemical Formula	Not applicable.	Print Date 5/6/2004
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (419) 241-2156	In Case of Emergency Chemtrec (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.	
DSL/ NDSL	All components listed unless noted elsewhere on this MSDS	
		Protective Clothing

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
1) Alcohol Ethoxylate Blend	N/A	1-5	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects This product is an eye irritant. May cause mild irritation to the skin.

Potential Chronic Health Effects There is no known effect from chronic exposure to this product.

Carcinogenic Effects Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Mildly irritating to the eyes. In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention.
Skin Contact	NO known EFFECT on skin contact; rinse with water for a few minutes. If irritation persists, seek medical attention.
Inhalation	N/A
Ingestion	May be irritating to gastrointestinal system, mouth, throat, and esophagus. Vomiting and diarrhea expected with large doses. Seek immediate medical attention.

Section 5. Fire Fighting Measures

Products of Combustion	Not available.
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Fire Fighting Media and Instructions	N/A
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Special Remarks on Fire Hazards	N/A
---------------------------------	-----

Special Remarks on Explosion Hazards	N/A
--------------------------------------	-----

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and place in an appropriate waste disposal container.
----------------------	---

Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
----------------------	--

Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
--	---

Section 7. Handling and Storage

Precautions	Avoid contact with eyes.
-------------	--------------------------

Incompatibility	None known.
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Storage	Keep out of reach of children. Keep container tightly closed. For Institutional and Commercial Use
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Section 8. Exposure Controls/Personal Protection

Engineering Controls	Good general ventilation should be sufficient to control airborne levels.
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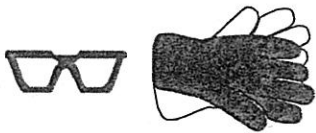
Personal Protection

<i>Eyes</i>	Safety glasses.
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<i>Body</i>	No special protective clothing is required.
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<i>Respiratory</i>	Not applicable.
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<i>Hands</i>	Gloves.
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Protective Clothing (Pictograms)	
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Exposure Limits	Not available.
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Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
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Odor	Characteristic.
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Molecular Weight	Not applicable.
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Taste	Disagreeable. (Slight.)
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pH	7 to 8.5 [Basic.]
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Color	Yellow. (Light.)
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Boiling/Condensation Point	212°F initial
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Melting/Freezing Point	Not available.
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Critical Temperature	Not available.
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Instability Temperature	Not available.
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Specific Gravity	1 (Water = 1)
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Vapor Pressure	20mm Hg @ 68°F
----------------	----------------

Vapor Density	>1 (Air = 1)
Volatility	90
VOC	0 (g/l). (0 lbs. Gal)
Evaporation Rate	<1 compared to Water
Dispersion Properties	See solubility in water.
Solubility	Easily soluble in cold water.
The Product is:	Non-flammable.
Auto-ignition Temperature	Not available.
Flash Points	CLOSED CUP: >98.889°C (210°F).
Flammable Limits	Not available.
Fire Hazards in Presence of Various Substances	Non-flammable.
Explosion Hazards in Presence of Various Substances	Not applicable

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	None known.
Hazardous Decomposition Products	Will not occur.

Section 11. Toxicological Information

Routes of Entry	Not available.
Toxicity to Animals	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium EDTA).
Acute Effects on Humans	
<i>Eyes</i>	Eye irritant. May cause redness and swelling of the conjunctiva.
<i>Skin</i>	Defatting to skin on repeated contact.
<i>Inhalation</i>	N/A
<i>Ingestion</i>	May be irritating to the gastrointestinal system. Vomiting and diarrhea expected with large doses.
Chronic Effects on Humans	There is no known effect from chronic exposure to this product.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.



Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.


Section 13. Disposal Considerations

Waste Information	Any method in accordance with applicable laws.
Waste Stream	Not available.

Section 14. Transport Information

DOT (U.S.A) (Pictograms)		
TDG Classification	Not controlled under TDG (Canada).	
PIN UN, Proper Shipping Name, PG	Not applicable.	
Maritime Transportation	Not available.	
Special Provisions for Transport	Not applicable.	

Section 15. Other Regulatory Information and Pictograms

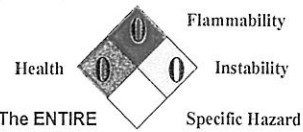
WHMIS (Classification)	Not controlled under WHMIS (Canada). WHMIS Class D-2B: Material causing other toxic effects (TOXIC).		
Regulatory Lists	No products were found.		
Other Regulations	Not available. or of its ingredients		
Other Classifications	HCS (U.S.A.)	HCS Class: Irritating substance.	
	USA Regulatory Lists	California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Ethylene Oxide < 1 ppm California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Ethylene Oxide <1 ppm Massachusetts RTK: Ethylene Oxide	
	DSD (EEC)	This product is not classified according to the EU regulations.	

International
Regulations Lists

No products were found.

Hazardous Material
Information System
(U.S.A.)

Health	1
Flammability	0
Physical Hazard	0

National Fire
Protection
Association (U.S.A.)

The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Validated by CRushton on 4/14/2004.

Verified by CRushton.

Printed 5/6/2004.

Information Contact **Betco Corporation**
1001 Brown Avenue
Toledo, Ohio 43607

Notice to Reader

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

Validated on 4/14/2004.

Green Earth Daily Floor Cleaner


Page: 5/5


Continued on Next Page



Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	Not controlled under WHMIS (Canada).	HCS Class: Irritating substance.
WHMIS (Pictograms)	WHMIS (Classification)	HCS

Section 1. Chemical Product and Company Identification		
Product Name/ Trade name	Green Earth Natural All Purpose Cleaner	Code 198
Synonym	Cleaner.	Version Number 1.1
Chemical Family	Not available.	Validation Date 10/18/2011
Chemical Formula	Not applicable.	Print Date 10/18/2011
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Oh 43607 (419) 241-2156	In Case of Emergency Chemtrec (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.	
DSL/ NDSL	All components listed unless noted elsewhere on this MSDS	
		Protective Clothing 

Section 2. Composition and Information on Ingredients				
Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Ethoxylated Alcohol	68551-12-2	1 - 5	Not available.	Not available.
Coconut Diethanolamide	N/A	1 - 5	Not available.	Not available.
Alkylpolyglucosides	68515-73-1	1 - 5	Not available.	Not available.
Sodium Tallate	61790-45-2	1 - 5	Not available.	Not available.

Section 3. Hazards Identification	
Potential Acute Health Effects	Irritating to eyes. Slightly hazardous in case of ingestion, of inhalation. Non-irritant for skin.
Potential Chronic Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures	
Eye Contact	In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention if irritation persists.
Skin Contact	After contact with skin, wash immediately with plenty of water. Seek medical attention if irritation persists.
Inhalation	Remove person from exposure.
Ingestion	Have conscious person drink several glasses of water or milk. Seek medical attention.

Section 5. Fire Fighting Measures

Products of Combustion Not available.

Fire Fighting Media and Instructions SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards No additional remark.

Special Remarks on Explosion Hazards No additional remark.

Section 6. Accidental Release Measures

Small Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Personal Protection in Case of a Large Spill Splash goggles. Gloves. Boots.

Section 7. Handling and Storage

Precautions After handling, always wash hands thoroughly with soap and water.

Incompatibility Not available.

Storage Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Good general ventilation should be sufficient to control airborne levels.

Personal Protection

Eyes Safety glasses.

Body No additional special protective clothing is required.

Respiratory No additional special protective clothing is required.

Hands No additional special protective clothing is required.

Protective Clothing
(Pictograms)



Exposure Limits See Section 2 For Applicable Exposure Limits

Section 9. Physical and Chemical Properties

Physical State and Appearance

Liquid.

Odor Citrus

Molecular Weight Not applicable.

Taste

pH 8.5 to 9.75 [Basic.]

Color Amber.

Boiling/Condensation Point 100°C (212°F)

Melting/Freezing Point Not available.

Critical Temperature Not available.

Instability Temperature Not available.

Specific Gravity 1.00734 (Water = 1)

Vapor Pressure	Not available.
Vapor Density	Not available.
Volatility	> 80 %
VOC	< 0.5 % (CARB)
Evaporation Rate	Not available.
Dispersion Properties	Easily dispersed in any proportion in cold water and hot water.
Solubility	Easily soluble in water
The Product is:	May be combustible at high temperature.
Auto-ignition Temperature	Not available.
Flash Points	>210 F (TCC)
Flammable Limits	Not available.
Fire Hazards in Presence of Various Substances	Not determined.
Explosion Hazards in Presence of Various Substances	No special explosion hazards associated with this product

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Not available.
Hazardous Decomposition Products	Not available.

Section 11. Toxicological Information

Routes of Entry	Eye contact. Inhalation. Ingestion.
Toxicity to Animals	LD50: Estimated Oral (Rat) >5000 mg/kg
Acute Effects on Humans	<p><i>Eyes</i> Mildly irritating to the eyes.</p> <p><i>Skin</i> Non-irritant for skin.</p> <p><i>Inhalation</i> Slightly hazardous in case of inhalation.</p> <p><i>Ingestion</i> Slightly hazardous in case of ingestion.</p>
Chronic Effects on Humans	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.

Section 12. Ecological Information

Ecotoxicity Estimated to have low aquatic toxicity.

D5 and COD Not available.

Products of Biodegradation Not available.

Toxicity of the Products of Biodegradation Not available.

Special Remarks on the Products of Biodegradation Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Non Hazardous

Section 14. Transport InformationDOT (U.S.A)
(Pictograms)

TDG Classification Not controlled under TDG (Canada).



PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) Not controlled under WHMIS (Canada).



Regulatory Lists No products were found.

Other Regulations Not available. or of its ingredients

Other Classifications HCS (U.S.A.) HCS Class: Irritating substance.

USA Regulatory Lists No products were found.

DSD (EEC) This product is not classified according to the EU regulations.

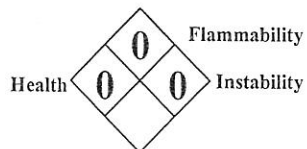
International Regulations Lists No products were found.

**Hazardous Material
Information System
(U.S.A.)**

Health	1
Flammability	0
Physical Hazard	0

**National Fire
Protection
Association
(U.S.A.)**

CleanSource# 140191



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Validated by LMorsch on 10/18/2011.

Verified by LMorsch.

Printed 10/18/2011.

Information Contact Betco Corporation
1001 Brown Avenue
Toledo, Ohio 43607

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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Validated on 10/18/2011.

**Green Earth Natural All Purpose
Cleaner**



Page: 5/5



CleanSource #160142

Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	Not a WHMIS controlled material.	Class: Irritating substance.
WHMIS (Pictograms)	WHMIS (Classification)	HCS
Section 1. Chemical Product and Company Identification		
Product Name/ Trade name	Green Earth Natural Degreaser	Code 217
Synonym	Degreaser Concentrate	CAS # Mixture.
Chemical Family	Not available.	Validation Date 3/28/2007
Chemical Formula	Not applicable.	Print Date 3/28/2007
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Oh 43607 (419) 241-2156	In Case of Emergency Chemtrec (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.	
DSL/ NDSL	All components listed unless noted elsewhere on this MSDS	
		Protective Clothing 

Section 2. Composition and Information on Ingredients				
Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Alcohol Polyether	68551-12-2	5-10	Not available.	Not available.
Propylene Glycol NButyl Ether	5131-66-8	0.1-5	Not available.	Not available.
Alkylpolyglucosides	68515-73-1	0.1-5	Not available.	Not available.
Tripropylene Glycol Methyl Ether	25498-49-1	1-2	Not available.	Not available.
Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	1-2	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
Tall Oil	61790-12-3	0.1-1	Not available.	Not available.
Coconut Soap	8001-31-8	0.01-0.1	Not available.	Not available.

Section 3. Hazards Identification	
Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Non-corrosive for skin.
Potential Chronic Health Effects	Repeated or prolonged exposure to the substance can produce nervous system damage. Prolonged exposure may produce anesthetic or narcotic effects. May aggravate existing respiratory conditions such as asthma.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures	
Eye Contact	In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration., preferably mouth to mouth if possible.
Ingestion	Have conscious person drink 1 Pint of lukewarm water. NEVER give an unconscious person anything to ingest. Seek immediate medical attention.

Section 5. Fire Fighting Measures

Products of Combustion Not available.

Fire Fighting Media and Instructions SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards No additional remark.

Special Remarks on Explosion Hazards No additional remark.

Section 6. Accidental Release Measures

Small Spill and Leak Absorb with an inert material and place in an appropriate waste disposal container.

Large Spill and Leak Absorb with DRY earth, sand or other non-combustible material. Vacuum or sweep up material and place in a designated labeled waste container.

Personal Protection in Case of a Large Spill Gloves. Splash goggles. Wear appropriate respirator when ventilation is inadequate.

Section 7. Handling and Storage

Precautions Avoid breathing vapors or spray mists. Keep away from incompatibles. Keep away from sources of ignition. Keep out of the reach of children.

Incompatibility Incompatible with some strong acids. oxidizing agents

Storage Keep out of the reach of children. Not for use or storage in or around the home. Keep away from heat, sparks and flame. Keep away from incompatibles. Keep away from sources of ignition.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Good general ventilation should be sufficient to control airborne levels.

Personal Protection

Eyes Safety glasses.

Body No special recommendations.

Respiratory A respirator is not needed under normal and intended conditions of product use. Wear appropriate respirator when ventilation is inadequate.

Hands Gloves.

Protective Clothing
(Pictograms)



Exposure Limits Not available.

Section 9. Physical and Chemical Properties

Physical State and Appearance Liquid.

Odor Lemon like.

Molecular Weight Not applicable.

Taste

1 9 to 9.75 [Basic.]

Color Green.

Boiling/Condensation Point 100°C (212°F)

Melting/Freezing Point Not available.

Critical Temperature Not available.

Instability Temperature Not available.

Specific Gravity	1.01 (Water = 1)
Vapor Pressure	Not available.
Vapor Density	>1 (Air = 1)
Volatility	84% (w/w).
VOC	70.602 (g/l).
Evaporation Rate	<1 compared to Butyl acetate.
Dispersion Properties	See solubility in water.
Solubility	Easily soluble in cold water, hot water.
The Product is:	May be combustible at high temperature.
Auto-ignition Temperature	Not available.
Flash Points	CLOSED CUP: >98.889°C (210°F).
Flammable Limits	Not available.
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Containers may explode when heated.
Section 10. Stability and Reactivity Data	
Stability	The product is stable.
Incompatibility with Various Substances	Incompatible with some strong acids. oxidizing agents
Hazardous Decomposition Products	Not available.

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium salt of ethylenediaminetetraacetic acid).
Acute Effects on Humans	
<i>Eyes</i>	Slightly hazardous in case of eye contact (irritant).
<i>Skin</i>	Sensitization of the product: Not available. Slightly hazardous in case of skin contact (irritant). Non-corrosive for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
<i>Inhalation</i>	Slightly hazardous in case of inhalation.
<i>Ingestion</i>	Slightly hazardous in case of ingestion.
Chronic Effects on Humans	Repeated or prolonged exposure to the substance can produce nervous system damage. Prolonged exposure may produce anesthetic or narcotic effects. May aggravate existing respiratory conditions such as asthma.
Special Remarks on Toxicity to Animals	Not available.

Special Remarks on
Chronic Effects on
Humans

Not available.

CleanSource #160142

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Products of
Biodegradation Not available.

Toxicity of the Products of
Biodegradation Not available.

Special Remarks on the
Products of
Biodegradation Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Not available.

Section 14. Transport Information

DOT (U.S.A)
(Pictograms)



TDG Classification Not controlled under TDG (Canada).



PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for
Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) Not a WHMIS controlled material.



Regulatory Lists No products were found.

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications

HCS (U.S.A.) Class: Irritating substance.

USA Regulatory
Lists

This product does not contain ingredients at levels known to the state of California to cause cancer or reproductive harm.
Pennsylvania RTK: Dipropylene Glycol ; Propylene Glycol

CleanSource #160142
SARA 311/312 MSDS distribution - chemical inventory hazard
identification: Propylene Glycol NButyl Ether: fire, immediate health hazard,
delayed health hazard

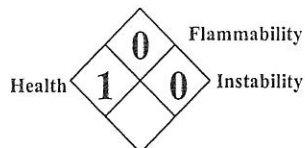
DSD (EEC) This product is not classified according to the EU regulations.

International
Regulations Lists No products were found.

**Hazardous Material
Information System
(U.S.A.)**

Health	1
Flammability	0
Physical Hazard	0

**National Fire
Protection
Association
(U.S.A.)**



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Validated by CRushton on 3/28/2007.

Verified by CRushton.

Printed 3/28/2007.

Information Contact Betco Corporation
1001 Brown Avenue
Toledo, Ohio 43607

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on 3/28/2007.

Green Earth Natural Degreaser

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Continued on Next Page



CleanSource #420108

Date: 6 June 2006
Supercedes: 6 March 2006**MATERIAL SAFETY DATA SHEET****IN CASE OF EMERGENCY CALL CHEMTREC AT 1-800-424-9300****1. PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION:**Product Name: **GOJO® Green Certified Lotion Hand Cleaner**Company Name & Address: **GOJO Industries, Inc.
One GOJO Plaza, Suite 500
Akron, OH 44311**Emergency Phone: **1-800-424-9300 CHEMTREC**Non-Emergency Phone: **(330) 255-6000**MSDS Request Phone: **(330) 255-6000 x8804****2. INFORMATION ON INGREDIENTS:**

HAZARDOUS INGREDIENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	% RANGE
Glycerin, as mist	56-81-5	15 mg/m ³	10 mg/m ³	<1

Other ingredient(s) with notification requirements:	CAS NUMBER	List
Propylene Glycol	57-55-6	CN 1
Sodium Lauryl Sulfate	151-21-3	CN 1
Glycerin	56-81-5	MA1, CN1
Fragrance (Parfum)	Mixture	Not applicable

3. HAZARDS IDENTIFICATION:**EMERGENCY OVERVIEW**

When used according to instructions, the product applicable to this MSDS is safe and presents no immediate or long-term health hazard. However, abnormal entry routes, such as gross ingestion, may require immediate medical attention.

Potential Health Effects:HMIS: Health 1 Flammability 0 Reactivity 0 Personal Protection None

Eye Contact: May cause eye irritation.

Skin Contact: No irritation or reaction expected.

Inhalation: Not applicable.

Ingestion: May cause upset stomach, nausea (Abnormal entry route).

Carcinogenicity: Not listed as a carcinogen by NTP, IARC, OSHA or ACGIH.

4. FIRST AID MEASURES:

Eye Contact: Do not rub eyes. Flush eyes thoroughly with water for 15 minutes. If condition worsens or irritation persists, contact physician.

Skin Contact: Not applicable.

Inhalation: Not applicable.

Ingestion: Do not induce vomiting. Contact a physician or Poison Control Center.

GOJO® Green Certified Lotion Hand Cleaner

5. FIRE FIGHTING MEASURES:

NFPA: Health 0 Fire 0 Reactivity 0
Flashpoint °F/°C (PMCC method): Not applicable.
Unusual Fire and Explosion Hazards: None known.
Special Fire Fighting Procedures: None known.
Extinguishing Media: X Water Fog X Alcohol Foam X CO₂ X Dry Chemical Other

6. ACCIDENTAL RELEASE MEASURES:

No special requirements. Water clean up and rinse. CAUTION – WILL CAUSE SLIPPERY SURFACES.

7. HANDLING AND STORAGE:

Store at normal room temperature away from reach of small children. Keep containers sealed. Use older containers first. Avoid freezing conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Eye Protection: None required under normal conditions.
Skin Protection: None required under normal conditions.
Respiratory Protection: None required under normal conditions.
Ventilation: None required under normal conditions.
Protective Equipment or Clothing: None required under normal conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance and Odor White pearlescent liquid, floral odor
pH (undiluted): 4.5 – 8.0
VOC, %: <0.5%

10. STABILITY AND REACTIVITY:

Stable/Non reactive product.

11. TOXICOLOGICAL INFORMATION:

No acute or chronic toxic effects expected when used according to directions.

12. ECOLOGICAL CONSIDERATIONS:

No ecological or special considerations when used according to directions. Not considered environmentally harmful from normal dilution, expected usage and typical drainage to sewers, septic systems and treatment plants.

13. DISPOSAL CONSIDERATIONS:

No special considerations when disposed according to local, state and Federal regulations.

14. TRANSPORT INFORMATION:

Not classified as a hazardous material.

15. REGULATORY AND OTHER INFORMATION:

TSCA: All ingredients are listed or exempt per reference 15 USC 2602 (2)(B)(iv).

Complies with current FDA regulations for cosmetic and/or over-the-counter drug products.

Notice: The information herein is based on data considered to be accurate as of the date of preparation of this material safety data sheet. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information. The user assumes all liability for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.



29 CFR 1910.1200

OMB No. 1218-0072

Identity # 04907 Name CERTI GREEN PINK HAND SOAP

Section 1

Manufacturer's Name - Genlabs (Formerly General Chemical Corp.)

Address - 5568 Schaefer Ave. Emergency Phone (Chemtrec) 1-(800)-424-9300

City - Chino State - CA Phone - (909) 591-8451

Contact Person - Solaiman Jonatan

Date Prepared- 6/18/2007

Section 2 -Ingredients/Identity Information

Components	CAS#	OSHA PEL	ACGIH TLV	Weight% (Optional)
Anionic Surfactant Blend	Proprietary	N/A	N/A	
Amphoteric Surfactant	Proprietary	N/A	N/A	
Lanolin	8006-54-0	N/A	N/A	
Non-formaldehyde Preservative	Proprietary	N/A	N/A	
Citric Acid Anhydrous	77-92-9	N/A	N/A	
Fragrance	Proprietary	N/A	N/A	
Water	7732-18-5	N/A	N/A	

VOC Content- NONE g/L

Note: Contains biodegradable materials.

Section 3 - Physical/Chemical Characteristics

Boiling Point- >212 F

Specific Gravity- 1.030

Vapor Pressure - Not Tested

Melting Point - Not Tested

Vapor Density - Not Tested

Evaporation Rate - Not Tested

Solubility In Water- 100%

Appearance and Odor- PINK COLOR LIQUID WITH PLEASANT FRAGRANCE.

Section 4 - Fire and Explosion Hazard Data

Flash Point- None

Flammable Limits - Not Tested

LEL- Not Tested

UEL- Not Tested

pH- 6.5 TO 8

DOT# NONE

NFPA Hazard Rating - H F R S HMIS Hazard Rating - H F R
(0- Least, 4- Extreme) 0 0 0 0 0 0 0 0

Extinguishing Media- CO2, DRY FOAM

Special Fire Fighting Procedures NONE

Unusual Fire and Explosion Hazards- NONE

Section 5 - Reactivity Data

Stability - Stable

Conditions to Avoid - None

Incompatible Materials to Avoid- Cationic Materials, Strong Oxidizers, Strong Acidic and Alkali Materials

Hazardous Decomposition or Byproducts- CO, CO2

Hazardous Polymerization- None

Conditions to Avoid- None

Section 6 - Health Hazard Data

Routes of Entry

Inhalation? - Possible

Skin? - Possible

Ingestion? - Possible

Health Hazards - Same as Signs and Symptoms of Exposures

Note - All Chemicals in this Product are Found on the TSCA Inventory List.

OSHA Carcinogenicity? - None; NTP? - None; IARC Monographs? - None.

04907

Signs and symptoms of over exposure:

Eyes - Burning Sensation

Skin- Not Expected to be a Problem

Ingestion-Nausea, headache, dizziness

Inhalation- Not Expected To Be A Problem

Medical Conditions Generally Aggravated by Exposure - Same as Signs and Symptoms of Over Exposure

Emergency and First Aid Procedures

Eyes - Flush With Water For 15 Minutes. If Irritation Persists, Call Physician.

Skin- Wash Off With Soap & Water

Ingestion- Drink Large Amounts of Water, Call Physician

Inhalation- Not Expected to be a Problem

Section 7 - Precautions For Safe Handling and Use.

Steps to be taken in case material is released or spilled - Soak up with inert, absorbent material. Scoop up and place in a proper waste disposal container.

Waste Disposal Method - Dispose of in accordance with state and local regulations.

Precautions To Be Taken In Handling and Storing - Store in a cool, dry place, out of direct sunlight. Do not freeze, less than or equal to 32 F, or heat above 110 F.

Other Precautions - Keep out of reach of children. Follow directions on the container for proper use of this product.

Section 8 - Control Measures

Respiratory Protection - Open all doors and windows. "If" there is an exposure, and it is above the TLV or PEL, a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134, is required.

Ventilation	Local Exhaust - If Available	Special - None
	Mechanical - If Available	Other - None

Protective Gloves- None

Eye Protection- None

Other Protective Clothing or Equipment- None

Work Hygienic Practices - Use common sense and care around chemicals. Never mix chemicals. Consult your supervisor for other practices. All practices depend on your specific business. Directions for use are normally found on label which will dictate engineering and control measures.

Other Special Requirements None

Note: Genlabs believes the data set forth are accurate, Genlabs makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion

Section 1. Chemical Product and Company Identification

Clean Source
650 Brennan Street
San Jose, CA 95131

Name: Complete Carpet Care
Identity: Carpet Cleaner
Product Code: GP118

Emergency Telephone #:
CHEMTEL (800)-255-3924

Section 2. Hazards Identification

Classification: Physical: NA
Health: Irritant
Environmental: ND

Acute: Eyes: Causes eye irritation.
Skin: Not expected to cause ill or adverse effects.
Ingestion: Low ingestion hazard.
Inhalation: No adverse effects are expected under normal conditions of use.

Chronic:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

Section 3. Composition, Information on Ingredients

Hazardous Component > 1%:
None Per 29 CFR 1910.1200

CAS Number:

% By Weight:

Section 4. First Aid Measures

Have product container or label with you when calling a poison control center, doctor, or going for treatment.

Eyes: Flush eyes with large amounts of water, lifting upper and lower eyelids. If irritation persists, obtain medical attention.
Skin: Wash off with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists, get medical attention.
Ingestion: Induce vomiting if conscious and call a physician.
Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.

Section 5. Fire Fighting Measures

Extinguishing Media: Water fog, foam, carbon dioxide or dry chemical.
Special Fire Fighting Procedures: Prevent breathing vapors. Wear SCBA and impervious protective clothing.
Specific Hazards Arising from the Chemical: None known.

Section 6. Accidental Release Measures

Small Spills: Mop up. Slippery on floor. Absorb liquid with absorbent material. Collect spilled material in a properly labeled container for later disposal.

Large Spills: Same as small spill. Dike area and absorb into neutral material or pump up. Flush traces with plenty of water. Do not let run-offs enter drains or bodies of water.

Section 7. Handling and Storage

Handling and Storage: Store in cool, dry well ventilated area. Keep container tightly closed when not in use.

Other Precautions: Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

Section 8. Exposure Control / Personal Protection

Component:	CAS Number:	PEL:	TLV:	IDLH:
None Per 29 CFR 1910.1200		mg/M ³	mg/M ³	

Respiratory Protection: Not normally indicated when used as directed. Use NIOSH approved air purifying respirator if significant vapor, mist, or aerosol is generated. Recommended if experiencing respiratory irritation.

Ventilation: No special measures required.

Mechanical/Engineering (General): Not normally indicated when used as directed.

Protective Gloves: Rubber or vinyl; optional.

Eye Protection: Safety glasses with side shields.

Protective Clothing: Chemical resistant clothing - Long pants, sleeves, apron, boots.

Work/Hygienic Practices: The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

Section 9. Physical and Chemical Properties

Appearance and Odor: Clear liquid with clean, white blossom scent.

pH: 7.50 ± 0.5	Boiling Point: >212° F	Specific Gravity: 1.036 ± 0.005	Melting/Freezing Point: ND
Solubility: Complete	Vapor Pressure (mm Hg.): ND	Vapor Density (Air = 1): ND	Evaporation Rate (H2O = 1): ND
Flash Point (TCC): None	% LEL: ND	% UEL: ND	Flammable Limits: ND
			VOCgm/L: 0

Section 10. Stability and Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibility (Materials to Avoid):

Hazardous Decomposition Byproducts: None known.

Conditions to Avoid: None

Section 11. Toxicological Information

Carcinogenicity: NTP No IARC No OSHA No

Component:	LD50 Oral:	LC50 Inhalation:	LD50 Dermal:
Acrylate Copolymer	No data available.	No data available.	No data available.
Alcohols, C9-11, ethoxylated	> 2000 mg/kg - rat	No data available.	3300 mg/kg - rat
Alcohols C12-C15 branched and linear ethoxylated propoxylated	2500 mg/kg - rat	No data available.	> 4600 mg/kg - rabbit
Other Toxicological Data			
Acrylate Copolymer	No data available.		
Alcohols, C9-11, ethoxylated	Skin irritation. Severe eye irritation.		
Alcohols C12-C15 branched and linear ethoxylated propoxylated	Eye- moderate irritation - rabbit.		

Section 12. Ecological Information

Environmental toxicity:

Component:	Toxicity to fish:	Toxicity to aquatic invertebrates:	Toxicity to aquatic plants and micro-organisms:
Acrylate Copolymer	No data available.	No data available.	No data available.
Alcohols, C9-11, ethoxylated	LC50 8.5 mg/L 96H flathead minnow	EC50 5.3 mg/l 48H daphnia	No data available.
Alcohols C12-C15 branched and linear ethoxylated propoxylated	No data available.	No data available.	No data available.
Other Ecological Data			
Acrylate Copolymer	No data available.		
Alcohols, C9-11, ethoxylated	No data available.		
Alcohols C12-C15 branched and linear ethoxylated propoxylated	No data available.		

Section 13. Disposal Considerations

Disposal: Dispose in accordance with Federal, State, and Local Requirements.

Section 14. Transportation Information

DOT NOT REGULATED

Reportable Quantity:

Section 15. Regulatory Information

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Acute Hazard:	No	Pressure Hazard:	No		
Chronic Health:	No	Reactive Hazard:	No	Fire Hazard:	No

SARA 313: No

CERCLA Hazardous Substances:

None

State Regulations:

California: This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

None

Section 16. Other Information

This document is generated for the purpose of distributing health, safety, and environmental data. The information and recommendations are presented in good faith and believed to be from reliable sources, however, the information is provided without any warranty, expressed or implied, regarding its completeness or accuracy. Some information is from sources other than direct test data on the material itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and for this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of the product.

NA = Not Applicable NE= Not Established

ND= Not Determined

Issue Date: 11/11/2011

Supersedes: 10/12/2011

Professional[®]

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name P&G Pro Line Floor Finish Stripper (10) - Concentrate
Product Code 98668771
Version # 04
Revision date 04-12-2011
Manufacturer Procter & Gamble Professional
Address 2 P&G Plaza
Cincinnati
Ohio
45202
US
P&G Telephone Number: 1-800-332-7787
Emergency 24-hr Telephone #: CHEMTREC 1-800-424-9300

2. Hazards Identification

Potential health effects

Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.
Eyes Accidental exposure will cause a mild to moderate transient irritation.
Skin Substance causes moderate skin irritation.
Inhalation May be irritating.
Ingestion Irritating to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Potential environmental effects

Considering the limited amount applied during use and the size of the container, the risk of adverse effects is considered small.

3. Composition / Information on Ingredients

Components	CAS #	Percent
2-PHENOXYETHANOL	122-99-6	10-30
2-AMINOETHANOL	141-43-5	5-10

4. First Aid Measures

First aid procedures

Eye contact After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops or persists.
Skin contact Wash affected area with mild soap and water. Rinse with plenty of water. Get medical attention if irritation develops and persists.
Inhalation Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion Immediately give large quantities of water to drink. Do NOT induce vomiting. Never give liquid to an unconscious person. Get medical attention if any discomfort continues.

5. Fire Fighting Measures

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Extinguishing media

Suitable extinguishing media Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Protection of firefighters

Protective equipment and precautions for firefighters

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

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6. Accidental Release Measures

Personal precautions

Keep unnecessary personnel away. Wear suitable protective clothing.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Clean-up methods and materials and containment measures

In case of spills, beware of slippery floors and surfaces. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

7. Handling and Storage

Handling

Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of reach of children.

Storage

Store in a cool and well-ventilated place. Store away from: Acids. Keep from freezing.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
2-AMINOETHANOL (141-43-5)	STEL	6.0000 ppm
	TWA	3.0000 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
2-AMINOETHANOL (141-43-5)	PEL	3.0000 ppm
		6.0000 mg/m3

Engineering controls

Provide adequate ventilation. Provide easy access to water supply and eye wash facilities.

Personal protective equipment

Eye / face protection

Not normally needed. If contact is likely, safety glasses with side shields are recommended.

Skin protection

Not normally needed. If prolonged or repeated contact is likely, protective gloves are recommended. Recommended gloves include rubber or neoprene.

Respiratory protection

Not normally needed.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Color

Colorless to light yellow.

Odor

Citrus

Odor threshold

Not available.

Physical state

Liquid.

pH

10.8 - 11.1 (10% solution)

Melting point

Not available.

Freezing point

Not available.

Boiling point

212 °F (100 °C)

Flash point

> 201 °F (> 93.9 °C)

Evaporation rate

Not available.

Vapor pressure

Not available.

Specific gravity

1.04

Solubility (water)

<= 100 (Miscible with water. Contains small amounts of insoluble, colloidal size particles)

Partition coefficient (n-octanol/water)

Not available

VOC 29.7 % estimated
Percent volatile 77.1 % estimated

CS # PGC46629

10. Chemical Stability & Reactivity Information

Chemical stability This is a stable material.
Conditions to avoid Do not store near acids. Do not mix with other chemicals.
Hazardous decomposition products No hazardous decomposition products are known.
Hazardous polymerization Will not occur.

11. Toxicological Information

Toxicological data

Components

Test Results

2-PHENOXYETHANOL (122-99-6)	Acute Oral LD50 Mouse: 16500 mg/kg
2-AMINOETHANOL (141-43-5)	Acute Oral LD50 Rat: 1260 mg/kg Acute Dermal LD50 Rabbit: 1025 mg/kg Acute Oral LD50 Guinea pig: 620 mg/kg Acute Oral LD50 Mouse: 700 mg/kg Acute Oral LD50 Rat: 10.2 g/kg Acute Other LD50 Mouse: 50 mg/kg Acute Other LD50 Rat: 67 mg/kg

Sensitization Not available.
Local effects Contact with eyes may cause irritation.
Chronic effects Hazardous by OSHA criteria.
Skin corrosion/irritation Not available.

12. Ecological Information

Environmental effects Based on ecotoxicity and fate data for the individual ingredients in this specific formulation, and for related consumer household cleaning products formulations, this product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment at relevant environmental concentrations. This product is intended for dispersive use and should not be disposed of directly into the environment.

13. Disposal Considerations

Disposal instructions This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

14. Transport Information

DOT

Basic shipping requirements:

Proper shipping name Corrosive liquid, basic, inorganic, n.o.s. (2-aminoethanol), LTD QTY
[may be shipped as CONSUMER COMMODITY ORM-D through 12/31/2013]
Hazard class 8
UN number 3266
Packing group III
Additional information:

ERG number 154

IMDG

Basic shipping requirements:

Proper shipping name Corrosive liquid, basic, inorganic, n.o.s. (2-AMINOETHANOL), LTD QTY
Hazard class 8
UN number 3266
Packing group III
Marine pollutant Yes

IATA

CS # PGC46629

Basic shipping requirements:

Proper shipping name Corrosive liquid, basic, inorganic, n.o.s. (2-AMINOETHANOL), LTD QTY
Hazard class 8
UN number 3266
Packing group III

Notes DO NOT SHIP BY AIR. Does not meet packaging requirements for air shipments.

The 5-gallon package of this product may NOT be shipped as a Limited Quantity or Consumer Commodity

15. Regulatory Information**US federal regulations****US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration**

2-PHENOXYETHANOL (CAS 122-99-6) 1.0 % N230

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

2-PHENOXYETHANOL (CAS 122-99-6) Listed. N230

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

State regulations**ILLRTK**

Contains no Illinois Right To Know toxic substances.

US - Connecticut Hazardous Material Survey: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED

US - Massachusetts RTK - Substance: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED

US - New Jersey RTK - Special Hazard: Listed substance

2-AMINOETHANOL (CAS 141-43-5) SPEC_HAZAROUS

US - New Jersey RTK - Substances: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED

2-PHENOXYETHANOL (CAS 122-99-6) LISTED

US - Pennsylvania RTK - Hazardous Substances: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED

2-PHENOXYETHANOL (CAS 122-99-6) LISTED

US - Rhode Island RTK - Hazardous Substances: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED

Canadian regulations

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Inventory Status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

CS # PGC46629

HMIS® ratings

Health: 3*
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 3
Flammability: 1
Instability: 0

Disclaimer

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.